SSN688 SAIL SYSTEMS DATA SHEET

SYSTEM	RAISE RECORDED	LOWER RECORDED	RAISE SPEC	LOWER SPEC
Navigation Mast			17-22 Sec	17-22 Sec
Radar Mast			6-10 Sec	6-10 Sec
Multifunction Mast #1			17-22 Sec	17-22 Sec
Multifunction Mast #2			17-22 Sec	17-22 Sec
Type 18B			17-22 Sec**	17-22 Sec**
Type 8B			17-22 Sec**	17-22 Sec**
Type 2F			19-26 Sec**	19-26 Sec**
BRD-7 Mast			17-22 Sec	17-22 Sec
BRD-7/BLD-1 Mast			19-30 Sec	13-30 Sec
Snorkel Mast			30-60 Sec	30-60 Sec
HDR Mast			19-22 Sec*	19-22 Sec
HDR Door			5-7 Sec*	5-7 Sec

Mast/Antenna Timing (except scopes): H-310/U-1
Scope Timing: CSTP 415-5-1383 (TY-2); CSTP 415-5-1393 (TY-8); CSTP 415-5-1786 (TY-18)

***** Time does not include 3 second delay between door and mast during raise cycle.

****** The fairing will lower approx 6 seconds after periscope begins to lower. Fairing will reach its fully raised position approx 6 seconds prior to periscope reaching its fully raised position.

Directions to the OOD for INSURV Mast and Periscope Cycling Evolution

I. Mast and Periscope Cycling

A. Initial Conditions:

1. Control Room is Rig for White.
2. Ship at periscope depth.
3. Ship speed between 6 and 9 knots.
4. NR 2 Periscope is fully raised.
5. Snorkel Mast is drained and vented.
6. Inspector and Sail Coordinator, with a stopwatch and data sheet are in the Control Room.

B. Procedure:

1. At the choosing of the OOD, cycle each mast, one at a time from the fully lowered position to the fully raised position.
2. Inspector starts timing when the Chief of the Watch activates the BCP raise/lower switch and stops timing when the mast raised indication illuminates.
3. Once mast is fully raised, the cycle time is recorded and the OOD is ready, cycle the mast from the fully raised position to the fully lowered position.
4. Inspector starts timing when the Chief of the Watch activates the BCP raise/lower switch and stops timing when the mast down/lowered indication illuminates.
5. Sail Coordinator documents each mast raise and lower cycling time on the data sheet as directed by the Inspector.
6. Periscope cycling procedure is normally:
   a) Lower and time the NR 2 scope.
   b) Raise and time the NR 1 scope.
   c) OOD conducts a safety sweep.
   d) Lower and time the NR 1 scope.
   e) Raise and time the NR 2 scope.
7. Sail Coordinator documents each periscope raise and lower cycling time on the data sheet as directed by the Inspector.